

IN THE CLAIMS:

Please amend claims as follows.

1. (currently amended) Lens device for the treatment of visual impairments and designed as a segment of a Fresnel lens and wherein a focal point is generated by the lens device comprising:

an anterior side of the lens and a posterior side of the lens,

a fixation element for fixing in the eye,

a plurality of wedge-shaped recesses on the posterior side of the lens, and a superposition of spherical and non-spherical segments of one or more several Fresnel lenses on the anterior side of the lens opposite the posterior side,

wherein the plurality of wedge-shaped recesses include inclined areas, which redirect the focal point through the wedge-shaped recesses, the inclined areas are plane areas running linearly ~~that are oriented~~ in a parallel direction to each other, the inclined areas and their parallel linear running ~~orientation~~ extending along the entire posterior side of the lens device.
2. canceled
3. (currently amended) Lens device according to claim 1, wherein the wedge-shaped recesses ~~[[can be]]~~ are inclined at different angles.

4. (currently amended) Lens device according to claim 1, wherein the posterior [[rear]] side features a coating or protective layer to fill the wedge-shaped recesses preventing the reflection of light on the edges of the lens device after passage through the lens device.
5. (previously presented) Lens device according to claim 4, wherein the coating features a refraction index equal to a chamber fluid of the eye of the patient.
6. (withdrawn) Lens device according to claim 1, wherein the lens device features an anterior chamber and a posterior chamber which are separated by a likewise transparent wall, whereby the anterior chamber is configured to face away from the retina and features at least one convex elastic element, so that by alignment of the curve of this element the focal width of this element is variable.
7. (withdrawn) Lens device according to claim 6, wherein the lens device in the posterior chamber which is configured to face the retina features a transparent, elastic coating, and the posterior chamber features a supporting element for the recesses, which is designed to be mounted rotatably against the rest of the posterior chamber, so that the inclination of the recesses is adjustable.
8. (withdrawn) Lens device according to claim 7, wherein the supporting element is attached to an elastic element which is pre-stressed against rotation.

9. (withdrawn) Lens device according to claim 7, wherein each chamber is connected to a supply and removal canal which, respectively, is assigned at least one pump or volume modification means either directly or indirectly via one or more valves, so that either the elastic, convex element of the anterior chamber and/or the elastic coating undergoes a change of form when the pump or volume modification means is activated, and the supporting element for the recesses undergoes rotation due to the coating changing its form.
10. (withdrawn) Lens device according to claim 9, wherein, in the posterior chamber which faces the retina, a mobile, transparent and inclined surface, respectively, is assigned to the wedge-shaped recesses which are adapted to be mounted rotatably due to rotation elements, whereby an elastic element is assigned to each of these rotatable, inclined surfaces and, the inclined surfaces undergo a rotation when the pump or volume modification means assigned to the anterior chamber is activated, so that the focal point is redirected on the retina.
11. (withdrawn) Lens device according to claim 1, wherein each chamber is adapted to be filled with a transparent medium, whose refraction index is adapted to be adjusted to that of the chamber fluid and/or the transparent, elastic coating and/or the wall.

12. (withdrawn) Lens device according to claim 9, wherein implanted batteries or receivers are provided as means of providing energy for the volume modification means or means of pumping, and/or converters for the energy input from outside of the body of the patient.
13. (currently amended) Lens device according to claim 1, wherein at sites without wedge-shaped recesses or convex lens parts or segments of a Fresnel lens, but also at sites having wedge-shaped recesses or convex lens parts or segments of a Fresnel lens ~~in combination with these~~, further optical means for the correction of the near field, are provided, whereby these optical means ~~due to the reduction of the thickness of the lens device~~ can also be provided in the path of rays before or behind the lens device.
14. (previously presented) Lens device according to claim 1, wherein the lens device features at least one UV-protective film for the protection of the retina from UV rays.
15. canceled
16. canceled
17. canceled

18. (withdrawn) Lens device according to claim 9, whereby the pump or volume modification means feature a characteristic curve, which allows conclusions to be drawn on the counterpressure on the recorded performance of the pump or volume changes, against which the pump or volume modification means work, so that a determination of the pressure in the interior of the eye of the patient is possible via the measurement of the recorded performance.
19. (withdrawn) Lens device according to claim 10, wherein each chamber is adapted to be filled with a transparent medium, whose refraction index is adapted to be adjusted to that of the chamber fluid and/or the transparent, elastic coating and/or the wall.
20. (previously presented) Lens device according to claim 13, wherein the optic means is a lens.
21. (withdrawn) Lens device according to claim 12, wherein the energy input from the outside of the body of the patient is by electromagnetic and/or magnetic fields.
22. (previously presented) Lens device according to claim 1, wherein a material of the fixation element features a refraction index equal to a chamber fluid of the eye of the patient.